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SAP 015 P-WO  
02.09.2004/rr/rnh/jl

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**CLAIMS**

1. A computer network system comprising:  
a plurality of client hardware elements forming a  
computer network (414);

10 a server network segment (412) comprising a plurality  
of services; and

a router (416) for interconnecting the computer network  
(414) with the server network segment (412);

the computer network (414) being assigned at least one  
15 first access address range, and the server network segment  
(412) being assigned at least one second access address  
range and at least one third access address range, wherein  
the at least one second access address range is an  
exclusive address range separate from the at least one  
20 first access address range and the at least one third  
access address range is a shared address range representing  
at least a sub-range of the at least one first access  
address range, each of the plurality of services being  
assigned one access address within the shared address range  
25 or the exclusive address range and the router (416) being  
set up to only route addresses within the shared access  
address range.

2. A computer network system according to claim 1,  
30 wherein the access address ranges are Internet Protocol  
address ranges.

3. A computer network system according to claim 1 or  
2, wherein the server network segment is a LAN server  
35 (412).

4. A computer network system according to any one of claims 1 to 3, wherein the computer network is a Local Area Network LAN or a Wide Area Network WAN.

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5. A computer network system according to any one of claims 1 to 4, wherein the router comprises a filter set up to block addresses from the second access address range and to let pass addresses from the third access address range.

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6. A router (416) for interconnecting a server network segment (412) comprising a plurality of services with a computer network (414), the computer network (414) being assigned at least one first access address range, and the server network segment (412) being assigned at least one second access address range and at least one third access address range, wherein the at least one second access address range is an exclusive address range separate from the at least one first access address range and the at least one third access address range is a shared address range representing at least a sub-range of the at least one first access address range, each of the plurality of services being assigned one access address within the shared address range or the exclusive address range and the router (416) being set up to only route addresses within the shared access address range.

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7. A router according to claim 6, the access address ranges are Internet Protocol address ranges.

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8. A router according to claim 6 or 7, the router comprising a filter which is set up to block addresses from the second access address range and to let pass addresses from the third access address range.

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9. A network setup method comprising the steps of:  
assigning one or more first access address range(s) to  
a computer network (414);

5 assigning one or more second access address range(s) to  
a server network segment (412) comprising a plurality of  
services, the second access address range(s) being an  
exclusive address range separate from the first access  
address range(s); and

10 assigning one or more third access address range(s) to  
the server network segment (412) comprising a plurality of  
services, the third access address range(s) being a shared  
address range representing at least a sub-range of the  
first access address range(s), so that each service is  
assigned one access address within the second access  
15 address range or the third access address range;

setting up a router (416) for interconnection of the  
computer network (414) with the server network segment  
(412) in such a manner that the router (416) only routes  
addresses within the shared access address range.

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10. A method according to claim 9, wherein the access  
address ranges are Internet Protocol address ranges.

11. A method according to claim 9 or 10, wherein the  
25 server network segment is a LAN server (412).

12. A method according to any one of claims 9 to 11,  
wherein the computer network is a Local Area Network LAN or  
a Wide Area Network WAN.

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13. A method according to claim 11, further  
comprising the step of setting up a filter in the router in  
such a manner that the filter blocks addresses from the  
second access address range(s) and passes addresses from  
35 the third access address range(s).

14. A computer program product with a computer-readable medium and a computer program stored on the computer-readable medium with program coding means which  
5 are suitable for carrying out a method according to any one of claims 9 to 13 when the computer program is run on a computer.

15. A computer program with program coding means  
10 which are suitable for carrying out a method according to any one of claims 9 to 13 when the computer program is run on a computer.

16. A computer-readable medium with a computer  
15 program stored thereon, the computer program comprising program coding means which are suitable for carrying out a method according to any one of claims 9 to 13 when the computer program is run on a computer.